

What is claimed is:

1. A digital video recorder, comprising:
 - an event detector configured to define a target region included in a plurality of video frames, said event detector being configured to detect movement of an object represented in said target region based on a motion vector associated with said object;
 - an event recorder coupled to said event detector, said event recorder being configured to coordinate storage of at least a portion of said plurality of video frames in response to said detected movement; and
 - an event notifier coupled to said event detector, said event notifier being configured to generate an event notification in response to said detected movement.
2. The digital video recorder of claim 1, wherein said event detector is configured to detect movement of said object based on identifying a reference point of said object, said motion vector being associated with said reference point.
3. The digital video recorder of claim 2, wherein said reference point corresponds to a portion of a perimeter of said object.
4. The digital video recorder of claim 1, wherein said event detector is configured to detect movement of said object based on at least one of a magnitude and an orientation of said motion vector.
5. The digital video recorder of claim 1, wherein said event recorder is configured to coordinate storage of portions of said plurality of video frames corresponding to said target region.
6. The digital video recorder of claim 1, wherein said event recorder is configured to coordinate storage of audio data in response to said detected movement.
7. The digital video recorder of claim 1, further comprising:

a first memory coupled to said event recorder, said first memory being configured to store said plurality of video frames; and

a second memory coupled to said event recorder, said event recorder being configured to transfer portions of said plurality video frames from said first memory to said second memory in response to said detected movement.

8. The digital video recorder of claim 7, wherein said first memory is configured as a circular buffer to temporarily store said plurality of video frames.

9. The digital video recorder of claim 1, further comprising:

an event tracker coupled to said event detector, said event tracker being configured to track said object in response to said detected movement.

10. The digital video recorder of claim 9, wherein said event tracker is configured to reposition an image acquisition device such that said target region is substantially centered with respect to a reference point of said object.

11. A computer-readable medium, comprising:

instructions to identify an object represented in a target region as included in a first video frame;

instructions to detect movement of said object based on a motion vector associated with said object;

instructions to shift said target region as included in a second video frame in response to said detected movement; and

instructions to coordinate storage of portions of said first and second video frames corresponding to said target region.

12. The computer-readable medium of claim 11, wherein said instructions to identify said object include:

instructions to identify a portion of a perimeter of said object.

13. The computer-readable medium of claim 11, further comprising:
instructions to generate said motion vector based on MPEG-format video data associated with at least one of said first and second video frames.
14. The computer-readable medium of claim 11, wherein said instructions to shift said target region include:
instructions to shift said target region such that said target region is substantially centered with respect to said object.
15. The computer-readable medium of claim 11, further comprising:
instructions to generate an event notification in response to said detected movement.
16. The computer-readable medium of claim 15, further comprising:
instructions to transmit said event notification via a network.
17. A method of operating a digital video recorder, comprising:
identifying a motion vector associated with an object based on video data representing a sequence of images of said object;
detecting movement of said object based on said motion vector; and
generating an event notification in response to said detected movement, said event notification including said video data.
18. The method of claim 17, further comprising:
identifying a reference point of said object, said motion vector being associated with said reference point.
19. The method of claim 17, wherein generating said event notification includes:
converting said video data from a first format into a second format; and
incorporating said video data in said second format in said event notification.
20. The method of claim 19, further comprising:

transmitting said event notification via a network, said second format being associated with said network.

21. The method of claim 17, further comprising:
storing said video data in response to said detected movement.